THE UNIVERSITY OF CHICAGO

CHICAGO 37 · ILLINOIS

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY THE CHICAGO LYING-IN HOSPITAL

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Dear Josh.

I have just run across a paper on the penetration of rock cores by bacteria in drilling mud (Smirnova, Microbioliya 26:717, 1957, AIBS translation) and find to my surprise that the presence of viable bacteria in ancient rock is taken quite seriously, this paper being a guide to the avoidance of contamination.

The possible bacterial content of rocks bears on the problem of meteoritic inocula, and ought to be settled. I think commination is surely the explanation both for terrestrial rocks and meteorites; mean lifetimes of the order of 107 years would be required. Do you know of any experiments by people aware of the pitfalls? If not they ought to be done.

I have just done a pair of monozygotic A, twins, and they are concordant in proportions of A2 and O cells:

Regards.

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(1) Opain discusses this in his 3d editors, pp. 53 ff. almost cutamby the ancient becters we immigrants of recent oujes. I den't know of anything at all recent except hipmann's not very well credited clarins for wal. It would be hard to accept such long lifetimes, but how to be sene? What roules would you use that have not been overheated, and have not been percolated by groundwater at any recent time? The results of cores in deterglaciers have been disappointing.